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FILE NO.: A33367 - 072797.0130

## **ABSTRACT**

A dual mode mobile unit is arranged to communicate in either a first or second data communications standard, such as combined Bluetooth and 802.11 operation. An interface unit converts received Bluetooth or 802.11 format signals into 802.11 frame format data signals to be provided to a digital signal processor which is programmed to process signals in either standard. The dual mode mobile unit can operate in the 802.11 standard to reserve a time interval for Bluetooth activity during which other 802.11 units will avoid-transmissions to avoid interference.